

Thomas L. Lipke and Jason M. Urckfitz
LOCKING PIN MECHANISM FOR A
VANE-TYPE CAM PHASER
Docket No.: 89190.029904/DP-311742
Sheet 1 of 7

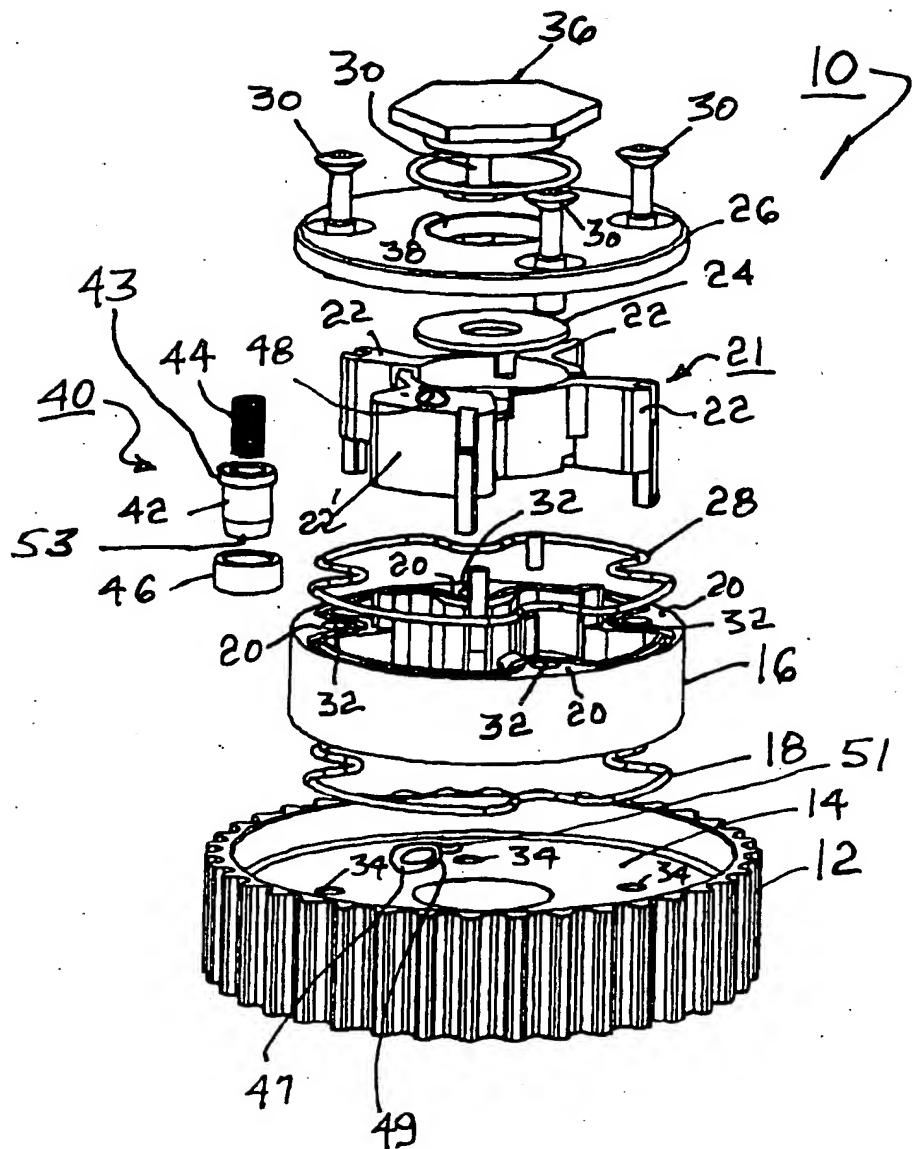


FIG.1

(PRIOR ART)

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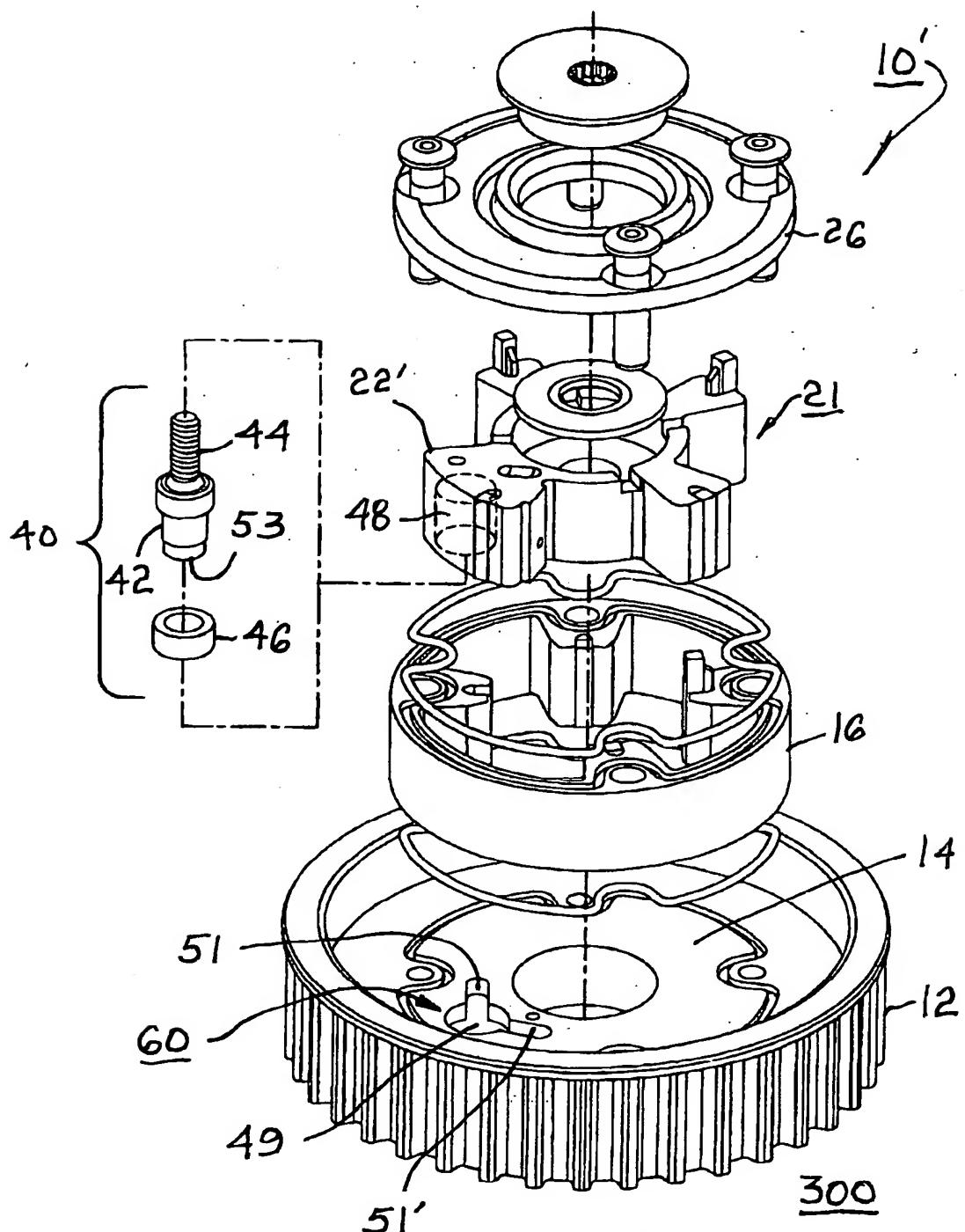


FIG. 2

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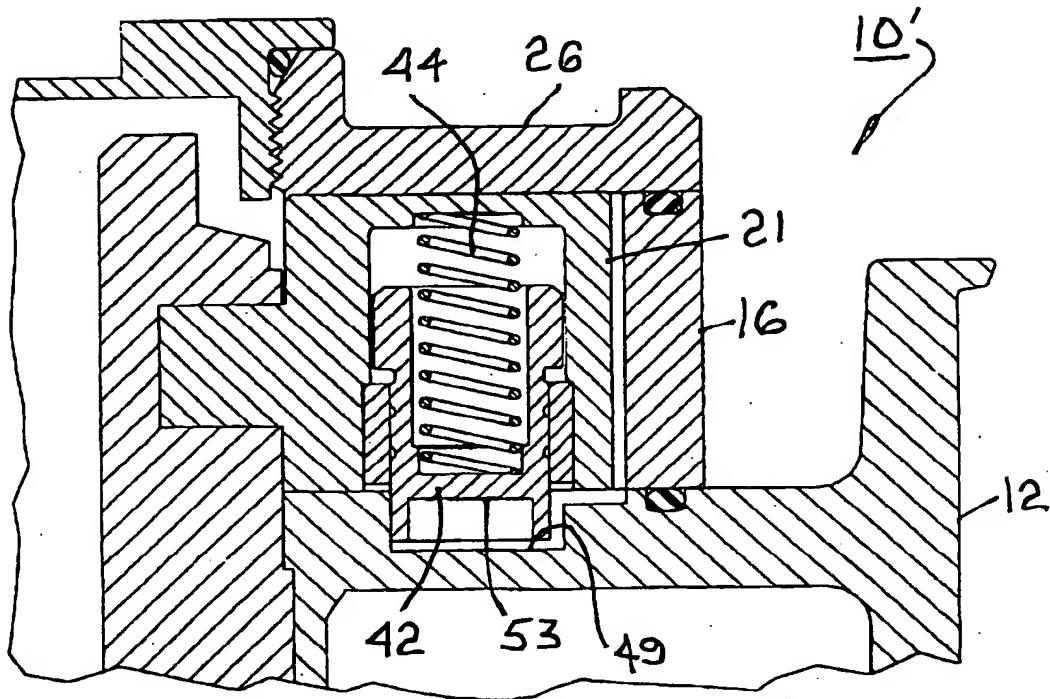


FIG. 3

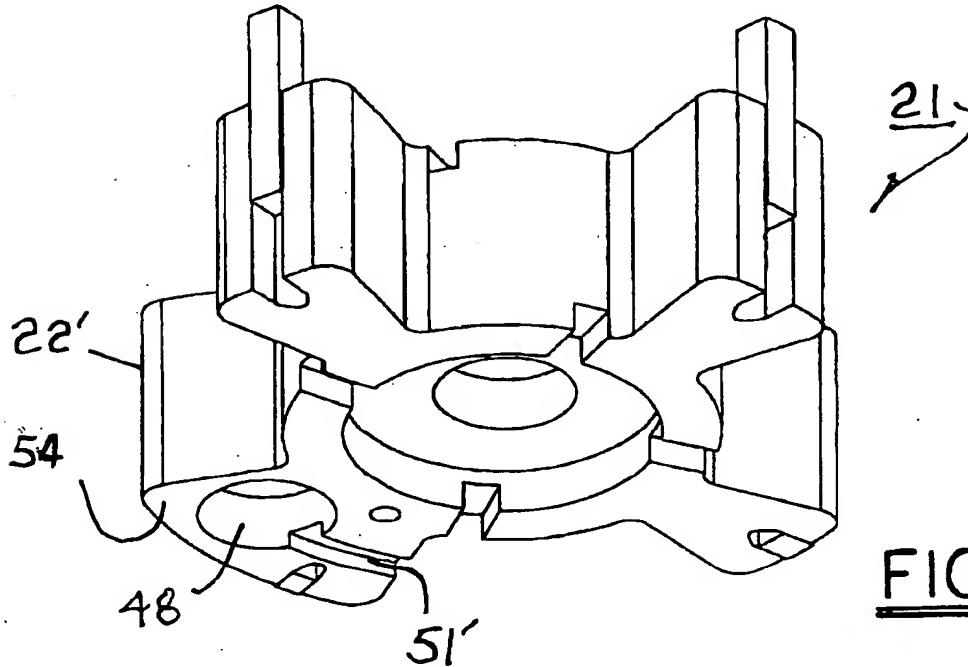


FIG. 4

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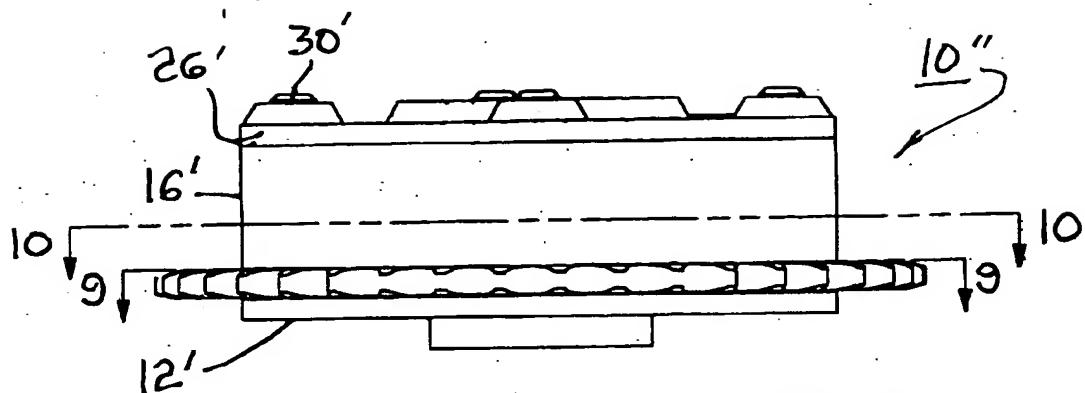


FIG. 5

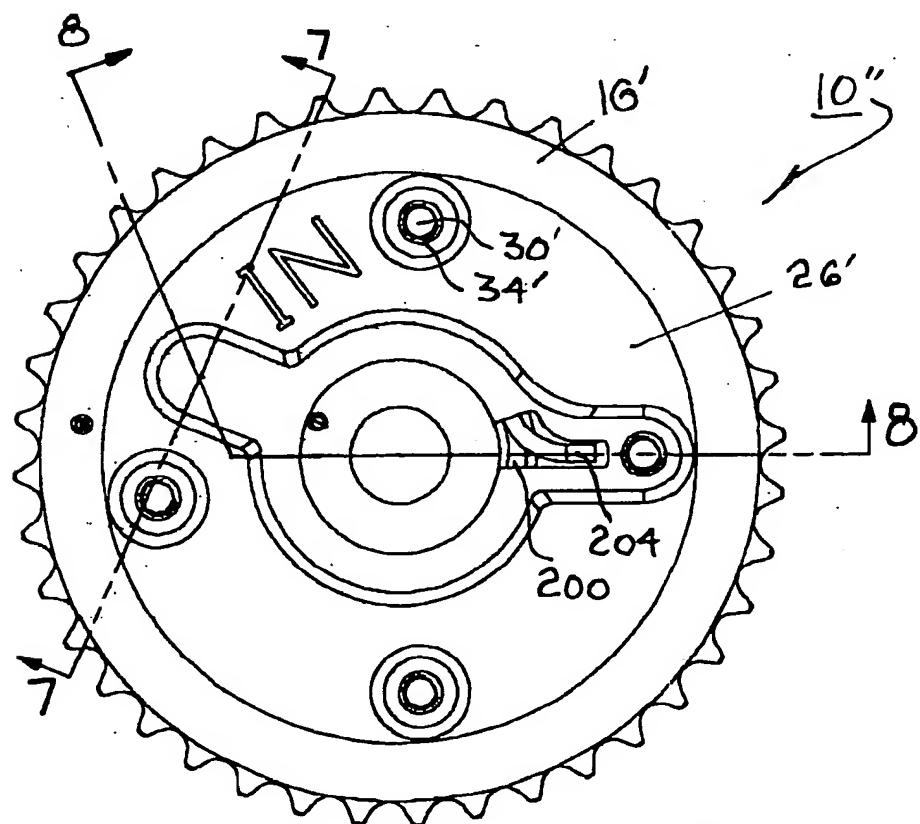


FIG. 6

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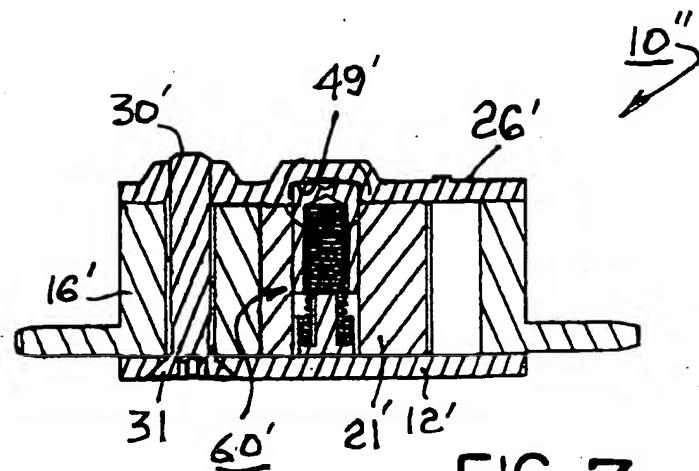


FIG. 7

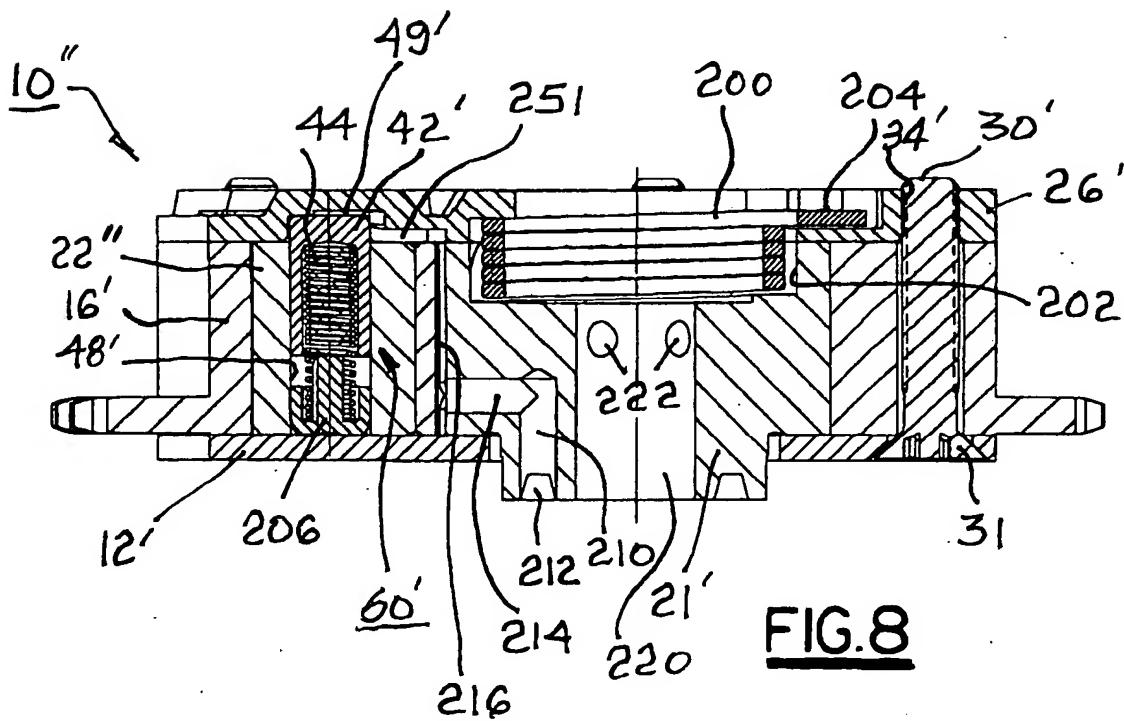


FIG. 8

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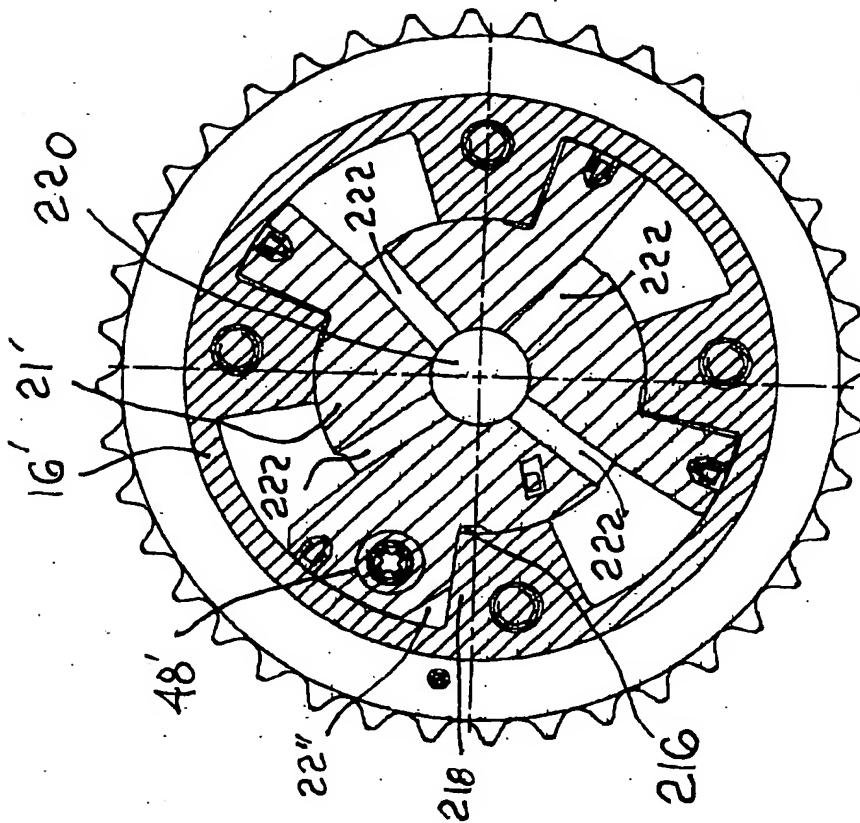


FIG. 10

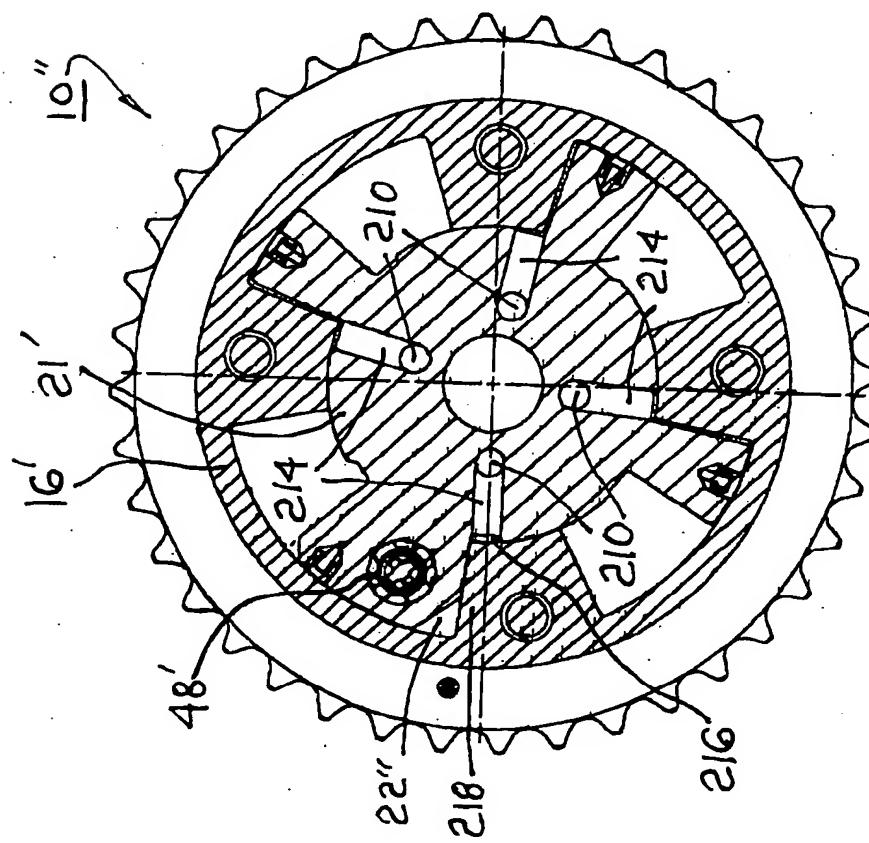


FIG. 9

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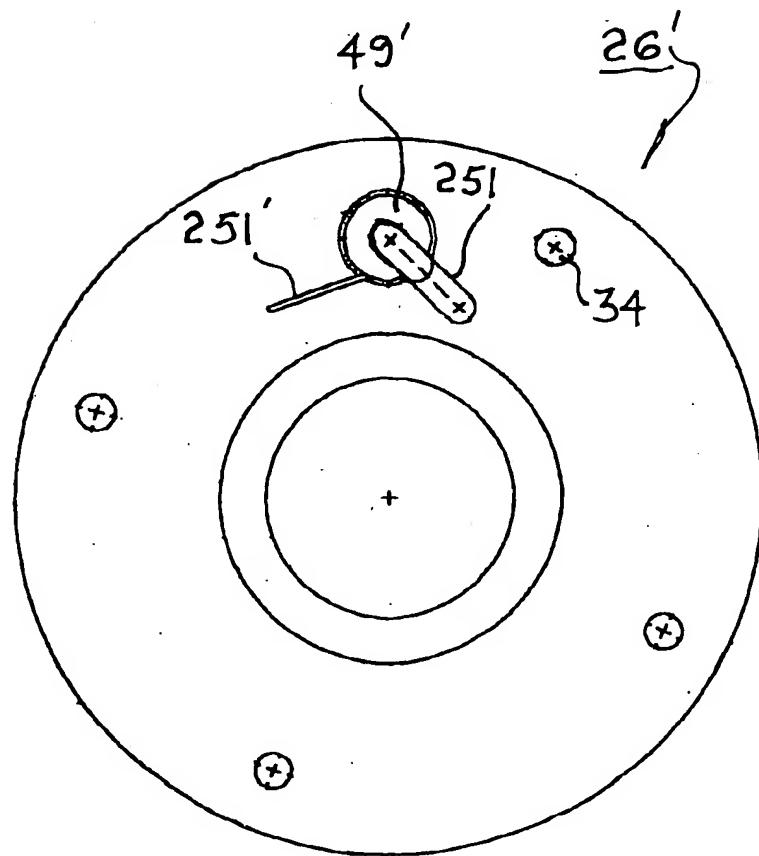


FIG.11